

D/ODP

AD/A Registry
83-0300

ODP-83-091
20 January 1983

MEMORANDUM FOR: Deputy Director for Administration

THROUGH : Chief, Interactive Systems Branch
Chief, Systems Programming Division
Deputy Director for Processing, ODP
Director of Data Processing

FROM :
Interactive Systems Branch, SPD

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SUBJECT : Request to Appear Before a Non-Government Group

1. I request permission to appear before a non-Government group as provided for in

STAT

2. When approved, I will speak at the SHARE 60 Conference in San Francisco, California on February 23rd. I will be attending the conference as a representative of the Agency. The audience is expected to be comprised of about 350 persons from the United States and Canada representing organizations running large IBM computers. The meeting will be held in the San Francisco Hilton Hotel; the risk to employee safety is minimal. Members of the press are barred from attending sessions at this conference.

3. None of the material to be presented is classified or controversial. I will describe the design and implementation of AIM, a general-purpose electronic mail and document filing system developed by the Office of Data Processing. As the project manager responsible for the development of AIM, I am qualified to give the presentation. My remarks will be extemporaneous; the outline is attached. Slides to be used in the presentation and the paper for the conference proceedings will be submitted for review within ODP when completed. The Agency is in the forefront of interactive computing technology. It is through these presentations that we are able to attract skilled computer scientists to the Agency, as well as to influence the decisions of the computer vendors upon whom we are dependent.

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4. I will be identified as an Agency employee. I will also give the standard disclaimer that the views presented are my own and not necessarily those of the Agency.

83-0300

SUBJECT: Request to Appear Before a Non-Government Group

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Attachment

TITLE OF PRESENTATION: The AIM Mail System at the CIA

APPROVED:

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28 JAN 1983

Date

for Harry E. Fitzwater, DDA

28 JAN 1983

Date

ODP/P/SPD/ISB [] 20 January 1983/EXREQ83D

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Dist:

Orig - Addressee (Orig to be returned to Originator)

2 - DDA

2 - D/ODP

1 - C/PAB/OEXA

1 - C/EAB/SSD/OS w/Form 879

1 - VM/SP Project

2 - ODP/Registry

3 - ODP/SPD

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Attachment

- I. Abstract
- II. History
 - A. Why we needed AIM
 - B. How AIM developed
- III. Initial design
 - A. What we wanted at first
 - B. CENTRAL virtual machine
 - C. Menu mode
 - D. Database format
- IV. Major design changes
 - A. Syntax
 - B. Elimination of menu mode
 - C. Database format changes
- V. System overview
 - A. PROC services
 - B. VMCF communications
 - C. General facilities
 - 1. Folders
 - a. INBOX
 - b. OUTBOX
 - c. Other folders
 - d. Folder sharing
 - 2. Documents
 - a. Sending documents
 - b. Document routing
 - c. Models
 - d. Alias files
 - e. Document sharing - copy and duplicate
 - 3. Available commands
 - D. Dependencies
 - E. AIM administrators
 - F. Backup
- VI. Technical details
 - A. CENTRAL task structure
 - B. User side task structure
 - C. Locks
 - D. The database structure
 - E. The file handler

- F. Interpreter
- G. How it works - what happens when:
 - 1. a user enters AIM
 - 2. a folder is opened
 - 3. a document is created & filed
 - 4. a document is sent
 - 5. a document is erased
- H. The AIM directory
- I. The AIMSIS command
- J. Backup

VII. AIM performance

- A. Initial database format
- B. Current database format
- C. Number of concurrent users

VIII. User acceptance

- A. Management commitment
- B. ODP usage
- C. Training

IX. Future development

- A. Multiple CENTRAL virtual machines
- B. Multiple real machines (SSI)
- C. Calendar facilities

X. Summary